INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001483

		FC1/AU2004	/001403		
A.	CLASSIFICATION OF SUBJECT MATTER		-		
Int. Cl. ⁷ :	A61M 1/12				
According to	International Patent Classification (IPC) or to both national classification are	nd IPC			
В.	FIELDS SEARCHED	•			
Minimum docu	mentation searched (classification system followed by classification symbols)				
Documentation	searched other than minimum documentation to the extent that such documents are	included in the fields searc	hed		
DWPI IPC A	base consulted during the international search (name of data base and, where practice A61M/- A61F/- A61B/- + keywords: (aort, heart, arter, balloon, inflat staple, clip, adhere)		rhythm, attach,		
	DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant p	passages	Relevant to claim No.		
X	WO 2002/024254 A2 (IMPERIAL COLLEGE INNOVATIONS L 2002 Pages 1-36	IMITED) 28 March	1-11, 15-22		
X	WO 2002/024255 A1 (SUNSHINE HEART COMPANY PTY LT. Pages 1-15	D) 28 March 2002	1-5, 15		
X	WO 2000/076288 A2 (SUNSHINE HEART COMPANY PTY LT. 2000 Pages 1-16	D) 21 December	1-5, 7, 11, 15		
A	Patent Abstracts of Japan, JP 10-328297 (BUAAYU:KK) 15 Dece	mber 1998	• .		
4					
F	urther documents are listed in the continuation of Box C	See patent family anno	ex		
"A" documen	ategories of cited documents: It defining the general state of the art which is "T" later document published after the dered to be of particular relevance conflict with the application but underlying the invention				
"E" earlier application or patent but published on or after the "X" document of particular relevance; the claimed invention cannot be considered no international filing date or cannot be considered to involve an inventive step when the document is taker					
"L" document which may throw doubts on priority claim(s) "Y" document of particular relevance; the claimed invention cannot be considered invention or which is cited to establish the publication date of involve an inventive step when the document is combined with one or more					
	itation or other special reason (as specified) treferring to an oral disclosure, use, exhibition means "&" document member of the same p		kineu in the art		
"P" documen	than the prior to the international filing date		r		
Date of the actu	al completion of the international search Date of mailing of the international search		C HOM OSS!		
22 November	r 2004 ng address of the ISA/AU Authorized officer	2	6 NOV 2004		
AUSTRALIAN	PATENT OFFICE				
E-mail address:	VODEN ACT 2606, AUSTRALIA pct@ipaustralia.gov.au Sue Thomas				
Facsimile No. (02) 6285 3929 Telephone No : (02) 62	283 2454			

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

	t Document Cited in Search Report			Pater	nt Family Member		
JР	10328297	NIL					
WO	2000076288	AU	50548/00	BR	0011464	CA	2375962
		EP	1185319	US	2004167376		
wo	200224255	AU	91488/01	EP	1318848	US	2004073080
WO	200224254	AU	90088/01	BR	0114087	CA	2421812
		EP	1379294	US	2003233023		

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX

PATENT COOPERATION TREATY

REC'D	08	DEC	2004	
WIPO	<u></u>		PCT	

From the:

INTERNATIONAL SEARCHING AUTHORITY

To:		•	PCT
SPRUSON & FERGUSON GPO Box 3898 SYDNEY NSW 2001			ITTEN OPINION OF THE ONAL SEARCHING AUTHORITY
		INTERNATIO	JNAL SEARCHING AUTHORITT
•		·	(PCT Rule 43bis.1)
		Date of mailing (day/month/year)	2 6 NOV 2004
Applicant's or agent's file reference		FOR FURTHER AC	
644616c			See paragraph 2 below
International application No.	International filing date	(day/month/year)	Priority date (day/month/year)
PCT/AU2004/001483	28 October 2004		30 October 2003
International Patent Classification (IPC) or	both national classifica	tion and IPC	
Int. Cl. ⁷ A61M 1/12			
Applicant			
SUNSHINE HEART COMPAN	Y PTY LTD et al		
1. This opinion contains indications relat	ting to the following ite	ms:	
X Box No. I Basis of the opinion		•	
Box No. II Priority	-		
	C	1t :tit	and industrial applicability
<u></u>	7	noveity, inventive step	and industrial applicability
Box No. IV Lack of unity of in			
	t under Rule 43bis.1(a)(i) nations supporting such st		, inventive step or industrial applicability;
Box No. VI Certain documents	cited		
Box No. VII Certain defects in t	he international applicatio	n	
Box No. VIII Certain observation	ns on the international app	lication	
2. FURTHER ACTION			
Preliminary Examining Authority ("IPEA be the IPEA and the chosen IPEA has no Searching Authority will not be so consi	A") except that this does notified the International Budered.	ot apply where the app ireau under Rule 66.1 <i>b</i>	dered to be a written opinion of the International licant chooses an Authority other than this one to is(b) that written opinions of this International
written reply together, where appropriate PCT/ISA/220 or before the expiration of	e, with amendments, before 22 months from the prior	e the expiration of 3 m	applicant is invited to submit to the IPEA a souths from the date of mailing of Form bires later.
For further options, see Form PCT/ISA/2	220.		
3. For further details, see notes to Form PCT/	ISA/220.		
Name and mailing address of the IPEA/AU		Authorized Officer	
AUSTRALIAN PATENT OFFICE		OT DO DOTT OF # A C	
PO BOX 200, WODEN ACT 2606, AUSTRA E-mail address: pct@ipaustralia.gov.au	LIA	SUE THOMAS	
E-mail address: pct@ipaustraha.gov.au Facsimile No. (02) 6285 3929		Telephone No. (02) 6283 2454

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/AU2004/001483

Box	ox No. I Basis of	f the opinion
1.	With regard to the la which it was filed, u	inguage, this opinion has been established on the basis of the international application in the language in nless otherwise indicated under this item.
	the following la	as been established on the basis of a translation from the original language into anguage , which is the language of a translation furnished for the purposes of arch (under Rules 12.3 and 23.1(b)).
.2.	With regard to any n claimed invention, the	nucleotide and/or amino acid sequence disclosed in the international application and necessary to the his opinion has been established on the basis of:
-	a. type of material	
	a sequence	e listing
	table(s) re	lated to the sequence listing
	b. format of materi	al
	in written	
	^	ter readable form
	c. time of filing/fur	
		in the international application as filed.
*	<u> </u>	ther with the international application in computer readable form. subsequently to this Authority for the purposes of search.
	اسسا	•
3.	filed or furnish	the case that more than one version or copy of a sequence listing and/or table relating thereto has been ned, the required statements that the information in the subsequent or additional copies is identical to that ion as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	. Additional commen	its:
		\star
1		

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/AU2004/001483

Box No. V Reasoned stateme applicability; cita	ent under Rule 43 <i>bis.</i> 1(a)(i) with regard to novelty, i tions and explanations supporting such statement	nventive step or industrial
. Statement		
Novelty (N)	Claims 8, 12-14, 17-22	YES
	Claims 1-7, 9-11, 15, 16	NO
Inventive step (IS)	Claims 12-14	YES
,	Claims 1-11, 15-22	NO
Industrial applicability (I	(IA) Claims 1-22	YES
,	Claims	NO

2. Citations and explanations:

D1 WO 2002024254

D2 WO 2002024255

D3 WO 2000076288

NOVELTY (N) Claims 1-7, 9-11, 15, 16

Claims 1-5, 15: The features defined in each of these claims are provided in each of the citations D1, D2, D3. For example the features of claim 1 are provided in D1 as follows:

Directly attaching a heart assist device to the exterior of an arterial vessel

Pages 14-21

Heart assist device includes inflatable balloon or chamber

Figure 1

Similarly for the other listed claims and citations.

Claims 7, 11: The features of each of these claims are provided by each of citations D1 and D3, similarly to the above.

Claims 6, 9, 10, 16: The features of each of these claims are provided by D1, similarly to the above.

INVENTIVE STEP (IS) Claims 1-11, 15-22

Claims 1-7, 9-11, 15, 16: Since these claims lack novelty, they also lack inventive step.

Claims 8, 17-22: Since the features added by these claims, methods of attachment, are well known in the art they cannot provide inventive step for the application.